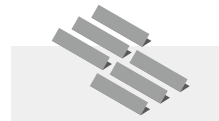


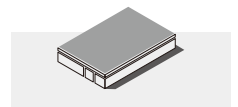
# YTM555-575N-72/M

Adopting N-type TOPCon technology on M10 wafer, achieves high efficiency and ultra-low degradation, and perfectly matches mainstream system design and mature logistics scheme.

Advanced module technologies are adopted like multi-busbar, half cell, non-destructive cutting, and intelligent soldering.



Utility



Commercial



**High Efficiency**



**Low LCOE**



**Low Degradation**



**Better Temperature Coefficients**

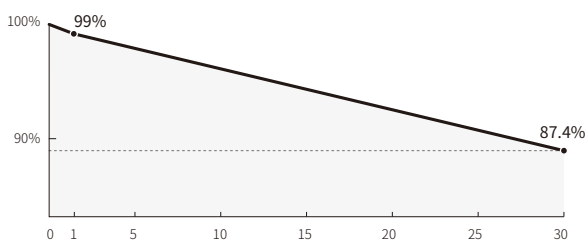
## Warranty

Product warranty 12 Years

1<sup>st</sup> year degradation  $\leq 1\%$

Linear power warranty 30 Years

Annual degradation  $\leq 0.40\%$



## Certificates

IEC 61215, IEC 61730

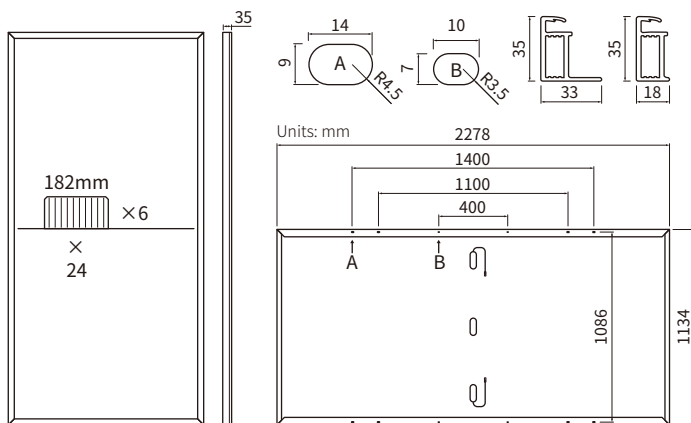
ISO 9001:2015 Quality management systems

ISO 14001:2015 Environmental management systems

ISO 45001:2018 Occupational health and safety management systems



# YTM555-575N-72/M



## Mechanical Parameters

Cell type	Mono TOPCon
No. of cells	144 (6*24)
Junction box	IP68, 3 diodes
Cable	4mm <sup>2</sup> ; 300mm(+)/400mm(-) or customized
Glass	Single glass, 3.2mm
Frame	Anodized aluminum alloy frame
Weight	26.4kg±3%
Dimensions	2278mm x 1134mm x 35mm
Packaging	31 pcs/pallet, 620 pcs/40HQ container

## Electrical Parameters

STC: AM1.5 1000W/m<sup>2</sup> 25°C    NMOT: AM1.5 800W/m<sup>2</sup> 20°C 1m/s

Module type	YTM555N-72/M		YTM560N-72/M		YTM565N-72/M		YTM570N-72/M		YTM575N-72/M	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Rated maximum power P <sub>max</sub> (W)	555	417	560	421	565	425	570	429	575	433
Open circuit voltage V <sub>oc</sub> (V)	50.35	47.82	50.47	47.94	50.60	48.06	50.74	48.24	50.88	48.36
Short circuit current I <sub>sc</sub> (A)	14.05	11.36	14.13	11.42	14.21	11.49	14.29	11.56	14.37	11.63
Maximum power voltage V <sub>mp</sub> (V)	41.64	39.12	41.80	39.31	41.95	39.43	42.10	39.58	42.25	39.69
Maximum power current I <sub>mp</sub> (A)	13.33	10.66	13.40	10.71	13.47	10.78	13.54	10.84	13.61	10.91
Module efficiency (%)	21.5		21.7		21.9		22.1		22.3	

## Temperature Coefficients

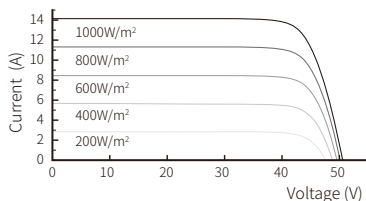
Temperature coefficient α <sub>Isc</sub>	+0.046%/°C
Temperature coefficient β <sub>Voc</sub>	-0.250%/°C
Temperature coefficient γ <sub>Pmax</sub>	-0.300%/°C

## Operating Conditions

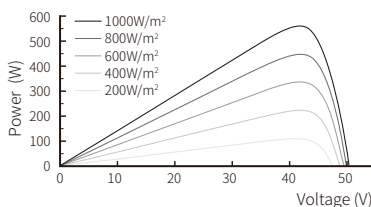
Operating temperature	-40°C~+70°C	Nominal operating cell temperature	45±2°C
P <sub>max</sub> , V <sub>oc</sub> , I <sub>sc</sub> tolerance	±3%	Front side Max. static test loading	5400 Pa
Power selection	0~+5W	Rear side Max. static test loading	2400 Pa
Maximum system voltage	1500V DC		
Maximum series fuse rating	25A		

## Graphs (YTM560N-72/M)

Current - Voltage Curve



Power - Voltage Curve



Current - Voltage Curve

